

Title (en)
ACTIVITY BASED RESOURCE MANAGEMENT SYSTEM

Title (de)
AKTIVITÄTSBASIERTES RESSOURCENVERWALTUNGSSYSTEM

Title (fr)
SYSTÈME DE GESTION DE RESSOURCES BASÉES SUR UNE ACTIVITÉ

Publication
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Application
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Priority
EP 15305914 A 20150612

Abstract (en)
The invention discloses a vehicle management system which is energy centric. The system may be configured to operate on a terrestrial vehicle, a nautical or on an aerial vehicle. It is configured to allow a user input a route comprising legs, each leg associated with an activity and an energy consumption mode. The system captures parameters from sensors or sensor emulators to compute a position of the vehicle and a predicted energy consumption per leg. The system comprises a display unit which associates graphically the activities, their energy consumptions and their duration. It allows the user to simulate what-if scenarios, to continuously visualize the impact of modifications of some of the parameters of energy consumption on an energy/time/range budget. The invention discloses a vehicle energy management system wherein the simulation capability is configured to display the time spent on each activity in a scale which is commensurate to the energy consumption. The invention also discloses a vehicle energy management system wherein estimated variables which impact the energy consumption may be acquired by the system to validate the conditions under which the mission performed by the vehicle will be feasible. The invention may be adapted to other applications than vehicle energy management like project planning and electronic devices energy management, among other result oriented/resource constrained activities.

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